

## Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application:

### Listing of Claims

**Claim 1 (Currently Amended):** A method for forming light beams onto a disc for a plurality of disc formats, comprising:

determining a first LCM (least common multiple) that is a first integer multiple of a first track pitch for a first one of the disc formats;

determining a second LCM (least common multiple) that is a second integer multiple of a second track pitch for a second one of the disc formats;

determining an average LCM (least common multiple) that is an average of the first and second LCMs, wherein the first LCM is within a first tolerance range from the average LCM for the first disc format, and wherein the second LCM is within a second tolerance range from the average LCM for the second disc format;

directing a main beam onto the disc; and

directing a side beam onto the disc with a displacement from the main beam, the displacement being the average LCM a LCM (least common multiple) distance of respective track pitches for the disc formats.

**Claim 2 (Canceled).**

**Claim 3 (Currently Amended):** The method of claim [2] 1, wherein the average LCM distance is a minimum of possible values.

**Claim 4 (Currently Amended):** The method of claim 1, wherein each of the first and second integer multiples is a respective odd integer the LCM distance is a respective odd integer multiple of a respective track pitch for each of the disc formats.

**Claim 5 (Previously Presented):** The method of claim 1, further comprising:

directing another side beam onto the disc on another side of the main beam with substantially the same displacement from the main beam.

**Claim 6 (Previously Presented):** The method of claim 5, further comprising:  
using the main and side beams reflected from the disc for generating a tracking error signal.

**Claim 7 (Previously Presented):** The method of claim 5, further comprising:  
using the main and side beams reflected from the disc for generating a DPP (differential push pull) error signal.

**Claim 8 (Previously Presented):** The method of claim 5, further comprising:  
using only the main beam reflected from the disc for generating an error signal when any of the side beams is outside of tracks of the disc.

**Claim 9 (Previously Presented):** The method of claim 1, wherein the main and side beams are each directed onto a separate one of a land or a groove on the disc.

**Claim 10 (Previously Presented):** The method of claim 1, further comprising:  
generating the main and side beams with light from a laser diode passing through a grating; and  
adapting at least one of a pitch of the grating and a distance of the laser diode to the grating to affect the displacement.

**Claim 11 (Currently Amended):** A system for forming light beams onto a disc for a plurality of disc formats, comprising:  
a main beam directed onto a disc; and  
a side beam directed onto the disc with a displacement from the main beam, the displacement being [[a]] an average LCM (least common multiple) ~~distance of respective track~~

pitches for the disc formats that is an average of a first LCM (least common multiple) and a second LCM (least common multiple);

and wherein the first LCM (least common multiple) is a first integer multiple of a first track pitch for a first one of the disc formats;

and wherein the second LCM (least common multiple) is a second integer multiple of a second track pitch for a second one of the disc formats;

and wherein the first LCM is within a first tolerance range from the average LCM for the first disc format, and wherein the second LCM is within a second tolerance range from the average LCM for the second disc format.

Claim 12 (**Canceled**).

Claim 13 (**Currently Amended**): The system of claim [[12]] 11, wherein the LCM average distance is a minimum of possible values.

Claim 14 (**Currently Amended**): The system of claim 11, wherein each of the first and second integer multiples is a respective odd integer the LCM distance is a respective odd integer multiple of a respective track pitch for each of the disc formats.

Claim 15 (**Previously Presented**): The system of claim 11, further comprising:  
another side beam formed onto the disc on another side of the main beam with substantially the same displacement from the main beam.

Claim 16 (**Previously Presented**): The system of claim 15, further comprising:  
a tracking servo that uses the main and side beams reflected from the disc for generating a tracking error signal.

Claim 17 (**Previously Presented**): The system of claim 15, further comprising:  
a tracking servo that uses the main and side beams reflected from the disc for generating

a DPP (differential push pull) error signal.

**Claim 18 (Previously Presented):** The system of claim 15, further comprising:  
a tracking servo that uses only the main beam reflected from the disc for generating an  
error signal when any of the side beams is outside of tracks of the disc.

**Claim 19 (Previously Presented):** The system of claim 11, wherein the main and side  
beams are each directed onto a separate one of a land or a groove on the disc.

**Claim 20 (Previously Presented):** The system of claim 11, further comprising:  
a laser diode for generating light and a grating for splitting the light into the main and  
side beams,  
wherein a pitch of the grating and a distance of the laser diode to the grating are adapted  
to affect the displacement.

**Claim 21 (Currently Amended):** A system for forming light beams onto a disc for a  
plurality of disc formats, comprising:

means for directing a main beam and a side beam onto a disc; and  
means for displacing the side beam from the main beam with [[a]] an average LCM (least  
common multiple) distance of respective track pitches for the disc formats that is an average of a  
first LCM (least common multiple) and a second LCM (least common multiple);  
and wherein the first LCM (least common multiple) is a first integer multiple of a first  
track pitch for a first one of the disc formats;  
and wherein the second LCM (least common multiple) is a second integer multiple of a  
second track pitch for a second one of the disc formats;  
and wherein the first LCM is within a first tolerance range from the average LCM for the  
first disc format, and wherein the second LCM is within a second tolerance range from the  
average LCM for the second disc format.

**Claim 22 (Canceled).**

**Claim 23 (Currently Amended):** The system of claim [[22]] 21, wherein the LCM average distance is a minimum of possible values.

**Claim 24 (Currently Amended):** The system of claim 21, wherein each of the first and second integer multiples is a respective odd integer ~~the LCM distance is a respective odd integer multiple of a respective track pitch for each of the disc formats.~~